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(54) Title: APPARATUS FOR GASIFICATION OF SPENT LIQUOR**(57) Abstract**

Arrangement for understoichiometric gasification of spent liquor from chemical pulp production, comprising an upper reactor part (2), which upper reactor part is provided with a burner (5) for the spent liquor and with an internally clad reactor jacket (4), and a lower separating part (8), comprising at least one wall (18), for separating a phase of solid and/or molten material, formed on gasification, from a phase of combustible gaseous material, which separating part (8) is arranged to essentially convey the said phase of solid and/or molten material to a product liquid bath (11). According to the invention, the said separating part (8) also comprises means for creating a cooling and protecting liquid film along at least one side of the said wall (18), the said means comprising a supply line (19) for coolant liquid, which supply line, at its inlet end, is connected to a coolant liquid bath (10) which is separate from the said product liquid bath (11).

